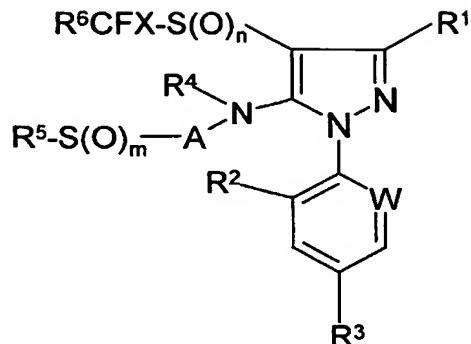


CLAIMS

1. A compound of formula (I):



5 (I)

wherein:

R¹ is CSNH₂;

W is C-halogen or N;

R² is hydrogen or Cl;10 R³ is CF₃, OCF₃ or SF₅;

R⁴ is hydrogen, (C₂-C₆)-alkenyl, (C₂-C₆)-haloalkenyl, (C₂-C₆)-alkynyl, (C₂-C₆)-haloalkynyl, (C₃-C₇)-cycloalkyl, (C₃-C₇)-cycloalkyl-(C₁-C₆)-alkyl, CO₂-(C₃-C₆)-alkenyl, CO₂-(C₃-C₆)-alkynyl, -CO₂-(CH₂)_q-R⁷, -CH₂R⁷, -CH₂R⁹, OR⁷, OR⁸, COCO₂R¹⁰ or COCONR¹⁰R¹¹; or CO₂-(C₁-C₃)-alkyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkoxy and (C₁-C₃)-alkylthio; or (C₁-C₆)-alkyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkoxy, (C₁-C₆)-haloalkoxy, (C₃-C₇)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₆)-alkyl;

A is (C₁-C₆)-alkylene or (C₁-C₆)-haloalkylene;

20 R⁵ is (C₂-C₆)-alkenyl, (C₂-C₆)-haloalkenyl, (C₂-C₆)-alkynyl, (C₃-C₆)-cycloalkyl or -(CH₂)_qR⁷; or (C₁-C₆)-alkyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkoxy, (C₁-C₆)-haloalkoxy, (C₃-C₇)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₆)-alkyl;

X is F or Cl;

25 R⁶ is F, Cl or Br;

R⁷ is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-haloalkoxy, CN, NO₂, S(O)_pR⁸, CO₂-(C₁-C₆)-alkyl, COR⁸, NR¹²R¹³ and OH; R⁸ is (C₁-C₆)-alkyl or (C₁-C₆)-haloalkyl;

5 R⁹ is a heteroaromatic radical having 5 or 6 ring atoms and 1, 2 or 3 hetero atoms in the ring selected from the group consisting of N, O and S, unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₄)-alkyl, (C₁-C₄)-haloalkyl, (C₁-C₄)-alkoxy, (C₁-C₄)-haloalkoxy, NO₂, CN, CO₂(C₁-C₆)-alkyl, S(O)_pR⁸ and OH;

10 R¹⁰ and R¹¹ are each independently H or R⁵;
or the radical NR¹⁰R¹¹ forms a five- to seven-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N, the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl and CO₂-(C₁-C₆)-alkyl;

15 R¹² and R¹³ are each independently H or (C₁-C₆)-alkyl;
m, n and p are each independently zero, one or two; and
q is zero or one;
or a pesticidally acceptable salt thereof.

20

2. A compound or a salt thereof as claimed in claim 1 wherein R⁶ and X are both F.

25

3. A compound or a salt thereof as claimed in claim 1 or 2 wherein R¹ is

CSNH₂;

W is C-Cl;

R² is Cl;

R³ is CF₃ or OCF₃;

R⁴ is (C₂-C₄)-alkenyl, (C₂-C₄)-alkynyl, (C₃-C₇)-cycloalkyl, CO₂-(C₁-C₃)-alkyl,

30 CO₂-(C₃-C₄)-alkenyl, CO₂-(C₃-C₄)-alkynyl or -CO₂-(CH₂)_q-R⁷; or (C₁-C₃)-alkyl unsubstituted or substituted by one or more radicals selected from the group

consisting of halogen, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, (C₃-C₇)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₃)-alkyl;

A is (C₁-C₄)-alkylene or (C₁-C₄)-haloalkylene;

R⁵ is (C₃-C₆)-cycloalkyl or -(CH₂)_qR⁷; or (C₁-C₃)-alkyl unsubstituted or substituted

5 by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, (C₃-C₆)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₃)-alkyl;

X is F or Cl;

R⁶ is F or Cl;

R⁷ is phenyl unsubstituted or substituted by one or more radicals selected from the

10 group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, CN, NO₂, S(O)_pR⁸, CO₂-(C₁-C₃)-alkyl, COR⁸, NR¹²R¹³ and OH;

R⁸ is (C₁-C₃)-alkyl or (C₁-C₃)-haloalkyl;

R¹² and R¹³ are each independently H or (C₁-C₃)-alkyl;

m, n and p are each independently zero, one or two; and

15 q is zero or one.

4. A compound or a salt thereof as claimed in any one of claims 1, 2 or 3

wherein R¹ is CSNH₂;

W is C-Cl;

20 R² is Cl;

R³ is CF₃ or OCF₃;

R⁴ is CO₂-(C₁-C₃)-alkyl, CO₂-(C₃-C₄)-alkenyl, CO₂-(C₃-C₄)-alkynyl or -CO₂-(CH₂)_q-R⁷; or (C₁-C₃)-alkyl;

A is (C₁-C₄)-alkylene;

25 R⁵ is (C₃-C₆)-cycloalkyl or -(CH₂)_qR⁷; or (C₁-C₃)-alkyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, (C₃-C₆)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₃)-alkyl;

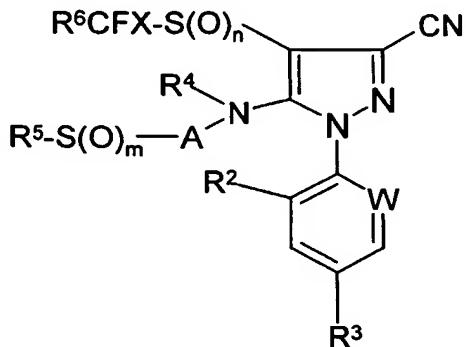
X is F or Cl;

R⁶ is F or Cl;

30 R⁷ is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, CN, NO₂ and S(O)_pR⁸;

R^8 is $(C_1\text{-}C_3)$ -alkyl or $(C_1\text{-}C_3)$ -haloalkyl;
 m , n and p are each independently zero, one or two; and
 q is zero or one.

5 5. A process for the preparation of a compound of formula (I) or a salt thereof as defined in any one of claims 1 to 4, which process comprises:
a) where R^1 is $CSNH_2$, and R^2 , R^3 , R^4 , R^5 , R^6 , W , A , X , m and n are as defined in claim 1, reacting a compound of formula (II):



10

(II)

wherein R^2 , R^3 , R^4 , R^5 , R^6 , W , A , X , m and n are as defined in formula (I), with an alkali or alkaline earth metal hydrosulfide; or

15 b) where R^1 is $CSNH_2$, and R^2 , R^3 , R^4 , R^5 , R^6 , W , A , X , m and n are as defined in claim 1, reacting a compound of formula (II) as defined above with a bis(trialkylsilyl)sulfide, in the presence of a base; and
(c) if desired, converting a resulting compound of formula (I) into a pesticidally acceptable salt thereof.

20 6. A pesticidal composition comprising a compound of formula (I) or a pesticidally acceptable salt thereof as defined in any one of claims 1 to 4, in association with a pesticidally acceptable diluent or carrier and/or surface active agent.

25 7. The use of a compound of formula (I) or a salt thereof according to any one of claims 1 to 4 or of a composition according to claim 6, for the preparation of a veterinary medicament.

8. The use of a compound of formula (I) or a salt thereof according to any one of claims 1 to 4 or of a composition according to claim 6, for the control of pests.
- 5 9. A method for controlling pests at a locus which comprises applying thereto an effective amount of a compound of formula (I) or a salt thereof as claimed in any one of claims 1 to 4 or of a composition according to claim 6.